Color and Material Schedule

Project Address: 950 Jessamine

Contractor:

	Location	Description	Manufacturer	Finish	Color	Notes
Lighting	Front entry & stair	Flushmount Ceiling (2 bulb)	Royce lighting, Carlton, 2-light flushmount, RFM5209ES		Nickel	
	Living	Flushmont Ceiling (3 bulb)	Royce lighting, Carlton, 3-light flushmount, RFM5209ES		Nickel	
	Dining	5-Light Chandelier	Royce lighting, Carlton, 5-light chandelier RC5209ESx		Nickel	
	Kitchen	Flushmount Ceiling	Royce lighting, Carlton, 3-light flushmount, RFM5209ES		Nickel	
	Kitchen	Undercabinet	24" flourescent		White	
	Pantry	Ceramic base w/ globe	switched, no pull chain		White	
	Bedrooms 1 - 2 & Den	Flushmont Ceiling (3 bulb)	Royce lighting, Carlton, 3-light flushmount, RFM5209ES		Nickel	
	Landing (floor 2)	Flushmount ceiling (2-bulb)	Royce lighting, Carlton, 2-light flushmount, RFM5209ES		Nickel	
	Laundry	Flushmount ceiling (2-bulb)	Royce lighting, Carlton, 2-light flushmount, RFM5209ES			
	Bathroom	2-Light Vanity	Royce lighting, Carlton, RV5209ESx		Nickel	
	Basement utility & stair	Ceramic base lamp w/ globe	(switched, no pull chain)		White	
	Garage	Motion Detector Sconce Light	Dual Brite, SL-5318-WH-D		White	
	Front Entry Porch	Recessed Can (2)	Rated for damp locations, CFL		white	
	Rear Entry, on rear wall	Wall mounted	Patriot Lighting, Mission, MND0092A		white or Nickel	
	Outlet and Switchplate Covers				White	
Plumbing Fixtures	Kitchen	Kitchen Faucet	Moen, Bronze Model: 7825		Chrome	at Menards
	Kitchen	Kitchen Sink	Moen, 33"X22"X8" Model 2212		Stainless	at Menards
	Bathroom	Bathroom Faucet	Moen, High Arc CA84003BRB		Chrome	at Menards
	Bathroom	Recessed Oval Bowl Vanity Top	Imperial Marble, RCxx22SPW		White	at Menards
	Bathroom	Shower Valve, tub spout & head	Moen, 82008CBN		Chrome	at Menards
Casework and Furnishings	Kitchen	Kitchen Cabinets	Midcontinent, full overlay 5-panel door, flat drawer	Maple	Natural	
	Kitchen	Kitchen Cabinet Hardware	Scrhock, all drawers and doors, H63		Nickel	at Menards or Home Depot
	Kitchen	Kitchen Counter Top	WilsonArt, Canyon Black, 1755-1		Canyon Black	at Menards
	Bathroom	Bathroom Vanity 42" wide	Midcontinent, full overlay 5-panel door, flat drawer	Maple	Natural	
	Bathroom	Towel Bar 24" (2)	Moen, Model # DN6818xx		Nickel	at Menards
	Bathroom	Toilet Paper Holder	Moen, Model # DN6808xx		Nickel	at Menards
	Bathroom	Curved Shower Rod	Moen, Model # DN2160xx		Nickel	at Menards

Coatings	Walls Throughout (except as specified below)	Wall Paint	Sherwin Williams No VOC, SW 6154	flat	Nacre	Smooth finish
	Walls Kitchen	Wall Paint	Sherwin Williams No VOC, SW 6154	eggshell	Nacre	Smooth finish
	Walls Bathroom & Laundry	Wall Paint	Sherwin Williams No VOC, SW 7036	eggshell	Accessible beige	Smooth finish
	Walls Living / Dining	Wall Paint	Sherwin Williams No VOC, SW 7621	flat	Silvermist	Smooth finish
	Ceiling Throughout (except kitchen and bathroom)	Ceiling Paint	Sherwin Williams No VOC	flat	ceiling white	Match existing texture
	Ceiling Kitchen and Bathrooms	Ceiling Paint	Sherwin Williams No VOC	eggshell	ceiling white	smooth finish
	Trim, casing, base, doors.	Paint color	Sherwin Williams No VOC SW 7006	semi-gloss	extra white	
	Living / Dining	Laminate	Tarkett, solutions, Bayfield walnut			at Seestedt's flooring
	Bathroom, Laundry	linoleum	Forbo, Eternity 3866			
	Bathroom, Laundry wall base	Rubber	Johnsonite, Snow white 01			
	Bathroom shower surround	Ceramic tile	6x6" field tile		White	
	Kitchen, Front Entry	linoleum	Forbo, Walnut 3874			
	Bedrooms 1 - 2	Carpet	Shaw, Serenity Garden		Barn Wood	
	Second floor Hall	Carpet	Shaw, Serenity Garden		Barn Wood	
	Front Stair	Carpet	Shaw, Serenity Garden		Barn Wood	
	Basement Stair	Paint	Sherwin Williams No VOC		Urbane bronze	
	Basement floor	Concrete sealer				
Appliances	Kitchen	Range	Frigidaire: FFGF3053LS		Stainless	
	Kitchen	Microhood	Frigidaire: FFMV162LS		Stainless	
	Kitchen	Refrigerator	Frigidaire: FFHT2126LS/K		Stainless	
	Kitchen	Dishwasher	Frigidaire: FGHD2433KF		Stainless	
	Laundry	Washer	Frigidaire: FAFW3801LW		White	
	Laundry	Dryer	Frigidaire: FAQG7001LW		White	
Doors	Front Entry	Steel Entry Door	Feather River Doors, Patina, Rochester			
	Rear Entry	Steel Entry Door	Mastercraft LT-10 half view w/ internal blind			at Menards
	Garage	Steel Entry Door	Mastercraft, 6-panel, solid			at Menards
	Interior doors, pre-hung	Interior Door	Flush	Poplar	Paint finish	
	Door Hardware	Throughout	Schlage, Merano levers		Satin Nickel	at Menards
Exterior Finishes	Siding	Paint color	Sherwin Williams SW 6207		Retreat	
	Porch skirt boards	Paint color	Sherwin Williams SW 7012		Creamy	
	Porch floor	Paint color	Sherwin Williams SW 3518		Hawthorne	
	Rear Stoop	Stain color	Sherwin Williams SW 3518		Hawthorne	
	Roof	Shingle color	GAF Elk 30 year HD shingle		Weathered Wood	patching only
	Windows	Vinyl			White	by alternate only
	Door and Window Trim	Paint color	Sherwin Williams SW 7012		Creamy	
	Door panel at house	paint color	Sherwin Williams SW 2802		Rockwood red	
	Door panel at garage	Paint color	Sherwin Williams SW 7012		Creamy	
	Soffit/Fascia	Aluminum, prefinished	Edco		Antique Parchment	
	Downspouts	Aluminum, field painted	Sherwin Williams SW 6207		Retreat	at United Products
	Gutters	Aluminum, prefinished	Edco		Antique Parchment	at United Products

Neighborhood Energy Connection

Residential Energy Specification

Customer: City of Saint Paul

Auditor: Michael Childs

Address: 950 Jessamine Ave E

Phone: 651-221-4462 x145

Spec ID#	Spec Title	Specification	Location / Notes
104	Replace Furnace with 95%+ AFUE, Multi-stage, Forced Air Furnace	Remove existing furnace, recycle all metal components and dispose of all other materials in a code legal dump. Install a new ENERGY STAR rated, gas-fired, multi-stage burner, forced air furnace with a minimum AFUE rating of 95%+ and ECM Motor with 2" rise above floor. Connect to existing duct work and gas line. New furnace to be vented with PVC piping per manufacturer's specifications. New furnace will have minimum limited warranties of 20 years on heat exchangers; 5 years on parts. Include auto setback thermostat controls, vent pipe & new shut-off valve. Rework cold air return if necessary to ensure easy access, good fit & easy replacement of air filter. An exterior return air filter box shall be installed on one side, both sides or bottom of new furnace. Seal all exposed duct joints with duct mastic. Remove all existing cloth duct tape prior to installing mastic.	

302	Replace Water Heater with Power Vented .67 EF or higher	Replace water heater with a power-vented water heater with an EF of .67 or greater. Include pressure & temperature release valve, discharge tube to within 6" of floor and PVC flue to power vent to exterior.	
310	Install Central Air Conditioning Unit	Install 16 SEER split system central air conditioning unit, following local building code. Using OEM performance information and industry-approved procedures, confirm that the selected equipment satisfies/meets the load requirements at the system design conditions.	
500	Seal Attic Bypasses	Contractor shall seal all attic bypasses. Bypasses shall be defined as any break in the envelope of a house between a heated living space and an unheated area or exterior. Bypass locations include, but are not limited to, the following areas: chimneys, soil stacks, end walls, dropped ceilings, open plumbing walls, beneath knee walls and around duct work, electrical work and attic access points. Bypasses shall be sealed in such a manner that the movement of air through the bypass is essentially stopped. "Essentially stopped" means that air leakage will not be detected by an infrared scan when the house is pressurized	

		to 30 Pascals. Materials to be used for sealing bypasses include high quality caulks (20-year life span), polyethylene rod stock, foam, sheetrock, sheet metal, extruded polystyrene and densely packed insulation.	
502	Dense Pack Below Floor and blow above floor to R-50	All bypasses shall be sealed before insulating in such a manner that the movement of air through the bypass is essentially stopped. Floored attics shall be blown below floor boards using the Dense Pack Method to a minimum density 3.5 lbs/ft^3. Blow above floorboards to bring below and above total to R-50 or more.	
510	Blow Open Attic to R-50	All bypasses shall be sealed before insulating in such a manner that the movement of air through the bypass is essentially stopped. "Essentially stopped" means that air leakage will not be detected by an infrared scan when the house is pressurized to 30 Pascals. Blow insulation to depth indicated on manufacturer's coverage chart, consistently and evenly to R-50. Insulation in the peak attic must be marked with a ruler to measure depth and a sign with the number of bags used and the date of the installation.	**This is 1st floor attic at back of house.**
512	Dense Pack Slants to capacity with cellulose	Determine cavities are free of hazards and can support dense packing pressures, locate drilling hazards, control dust when drilling from interior. Blow Slant walls with cellulose to capacity using the Dense Pack Method to a minimum density 3.5 lbs./ft^3.	

534	Insulate walk-up attic door and stairway	Insulate door to walk-up attic to R-19, and weather strip. Insulate under stairs and perimeter stair walls.	
600	Wall insulation - Exterior Application: Drill, Dense Pack and Patch Stucco	Stucco shall be punched/drilled to provide access and insulated to capacity. Determine cavities are free of hazards and can support dense packing pressures, locate drilling hazards, control dust when drilling from interior. Completely fill each cavity to a consistent density. Dense pack cellulose to a minimum density of 3.5 lbs./ft³ or dense pack spider fiberglass per manufacturer's instructions. Holes must be plugged weather tight with tight fitting plugs and patched. Follow all applicable Lead Safe Work Practices as per the EPA's RRP Rules.	**Insulate from the interior or exterior.**
616	Wall insulation - Interior Application: Dense Pack Cellulose	Exterior walls insulated from inside the house shall be drilled through to provide access. Determine cavities are free of hazards and can support dense packing pressures, locate drilling hazards, control dust when drilling from interior. Completely fill each cavity to a consistent density. Dense pack cellulose to a minimum density of 3.5 lbs./ft³ or dense pack spider fiberglass per manufacturer's instructions. Follow all applicable Lead Safe Work Practices as per the EPA's RRP Rules.	**Insulate from the interior or exterior.**
800	Air Seal Rim Joist	Seal cracks and holes in rim joist using caulk, foam or other air tight materials.	
1000	Install ENERGY STAR Rated Kitchen Fan	Install an ENERGY STAR rated exhaust fan connected with insulated rigid ductwork into a dampered vent.	

1010	Install ENERGY STAR Rated 2-stage Bathroom Fan	Install an ENERGY STAR rated two-speed bathroom fan .8 sones or less, with a pre-set low-speed of 10-30 CFM and a high-speed boost capability of 70-110 CFM initiated by a wall switch or motion detector. Vent bathroom fan using rigid duct and insulated with fiberglass and vented out with dampered roof vent.	
1200	Replace incandescents with CFLs	Replace incandescent bulbs with ENERGY STAR rated compact fluorescent lights. Install fixtures that meet the lighting needs of the particular area.	
1210	Install ENERGY STAR Rated Washing Machine	Connect new ENERGY STAR rated clothes washer sized appropriately for the household. Use braided steel water supply lines and a smooth rubber drain line connected to a 2 inch drain with trap. Remove existing washer, recycle all metal components and dispose of all other materials in a code legal dump.	
1214	Install ENERGY STAR Rated Refrigerator	Install ENERGY STAR rated refrigerator sized appropriately for the household. Remove existing refrigerator, recycle all metal components and dispose of all other materials in a code legal dump.	

DEPARTMENT OF SAFETY AND INSPECTIONS
Ricardo X. Cervantes, Director

CITY OF SAINT PAUL
Christopher B. Coleman, Mayor

375 Jackson Street, Suite 220
Saint Paul, Minnesota 55101-1806

Telephone: 651-266-8989
Facsimile: 651-266-9124
Web: www.stpaul.gov/dsi

Code Compliance Report

November 27, 2012

*** * This Report must be Posted on the Job Site * ***

Housing & Redev Authority
25 Fourth St W #1100
St Paul MN 55102-1634

Re: 950 Jessamine Ave E
File#: 10 107443 VB2

Dear Property Owner:

The following is the Code Compliance report you requested on November 19, 2012.

Please be advised that this report is accurate and correct as of the date November 27, 2012. All deficiencies identified by the City after this date must also be corrected and all codes and ordinances must be complied with. This report is valid for 365 days from November 27, 2012. This report may be used in lieu of a Truth in Housing Report required in St Paul Legislative Code 189. This building must be properly secured and the property maintained at all times.

In order to sell or reoccupy this property the following deficiencies must be corrected:

BUILDING Inspector: Jim Seeger Phone: 651-266-9046

- Install handrails (34 inches - 38 inches above each nosing) and guardrails (36 inch minimum) at all stairways, and return hand rail ends into a newel post or wall per attachment.
- Repair or Replace any deteriorated window sash, broken glass, sash holders, re-putty, etc as necessary.
- Provide complete storms and screens, in good repair for all door and window openings.
- Provide functional hardware at all doors and windows
- Exit doors shall be capable of being opened from the inside, easily and without the use of a key. Remove all surface bolts.
- Repair or replace damaged doors and frames as necessary, including storm doors.
- Weather seal exterior doors, threshold and weather-stripping.
- Repair walls, ceiling and floors throughout, as necessary.
- Prepare and paint interior and exterior as necessary. Observe necessary abatement procedures (EPA, MPCA and St. Paul Legislative Code, Chapter 34 for additional information) if lead base paint is present.

BUILDING Inspector: Jim Seeger Phone: 651-266-9046

- Where wall and ceiling covering is removed install full thickness or code-specified insulation.
- Air-seal and insulate attic/access door.
- Install Smoke Detectors/Carbon Monoxide Detectors per MN Conservation Code and the MN Dept. of Labor and Industry: Install per code where feasible.
- Provide major clean-up of premises.
- Repair siding, soffit, fascia, trim, etc. as necessary.
- Provide proper drainage around house to direct water away from foundation of garage.
- Install downspouts and a complete gutter system.
- Install rain leaders to direct drainage away from foundation.
- Provide durable, dustless parking surface as specified in the zoning code.
- Openings in stair risers must be less than 4 inches.
- Replace front steps.
- Replace living room floor covering.
- Repair kitchen Cabinets.
- Properly repair basement window openings and install windows.
- Replace basement stairs.
- Have a engineers report done and submited for front wall of basement on east side.
- Properly replace windows in openings and install stucco around window openings, stucco permit required.
- Repair or remove fence.
- Repair storage shed with trim, roof edge and paint or remove.
- Jack up and repair southwest corner of rear entry.
- Clean up pigeon droppings from attic.
- Remove and repair failing stucco.
- A building permit is required to correct the above deficiencies.

ELECTRICAL Inspector: Randy Klossner Phone: 651-266-8989

- Ground the electrical service to the water service with a copper conductor within 5 feet of the entrance point of the water service
- Bond around water meter with a copper wire sized for the electrical service per Article 250 of the NEC
- Provide a complete circuit directory at service panel indicating location and use of all circuits
- Verify/install a separate 20 ampere laundry circuit and a separate 20 ampere kitchen appliance circuit
- Install globe-type enclosed light fixture on all closet lights
- Remove all cord wiring. (outside to shed)
- Repair or Replace all broken, missing or loose light fixtures, switches and outlets, covers and plates
- Check all outlets for proper polarity and verify ground on 3-prong outlets.

ELECTRICAL Inspector: Randy Klossner Phone: 651-266-8989

- Install hard-wired, battery backup smoke detector and other smoke detectors as required by the IRC. Also, Install carbon monoxide detector(s) within 10 feet of all bedrooms
- Remove and or/ re-wire all illegal, improper or hazardous wiring in basement and attic. (attic not accessible at time of inspection)
- Wire new furnace to 2011 NEC. (when installed)
- Rewire A/C to 2011 NEC.
- Based on repair list purchase permit for 8 circuits.
- All added receptacles must be grounded, tamper-resistant and be on an Arc-Fault Circuit Interrupter-protected circuit.
- Any open walls or walls that are opened as part of this project must be wired to the standards of the current NEC.
- All electrical work must be done by a Minnesota-licensed electrical contractor under an electrical permit.

PLUMBING Inspector: Rick Jacobs Phone: 651-266-9054

- Basement - Water Heater - No gas shut off or gas piping incorrect (MFGC 402.1)
- Basement - Water Heater - T and P relief discharge piping incorrect (MPC 2210 Subp. 4)
- Basement - Water Heater - Vent must be in chimney liner (MFGC 501.12)
- Basement - Water Heater - Water piping incorrect (MPC 1730 Subp. 1)
- Basement - Water Heater - gas venting incorrect (MFGC 503)
- Basement - Water Heater - not fired or in service (MPC 2180)
- Basement - Water Meter - meter is removed or not in service (MPC 4715.1700)
- Basement - Water Meter - raise meter to a minimum 12 inches above floor (MPC 2280)
- Basement - Water Piping - add appropriate hangers (MPC 1430 Subp. 4)
- Basement - Water Piping - improper fittings or usage (MPC 0420)
- Basement - Water Piping - improper piping or usage (MPC 0520)
- Basement - Water Piping - pipe sizing incorrect (MPC 4715.1730)
- Basement - Water Piping - provide water piping to all fixtures and appliances (MPC 1700)
- Basement - Water Piping - repair or replace all corroded, broken or leaking piping (MPC 4715.1720)
- Basement - Water Piping - run 1 inch water line from meter to first major take off (SPRWS Water Code)
- Basement - Gas Piping - dryer gas shutoff; connector or piping incorrect (MFGC 411)
- Basement - Gas Piping - run dryer vent to code (MFGC 614.1 - 614.7)
- Basement - Soil and Waste Piping - improper connections, transitions, fittings or pipe usage (MPC 2420)
- Basement - Soil and Waste Piping - improper pipe supports (MPC 1430 Subp. 4)
- Basement - Laundry Tub - faucet is missing, broken or parts missing (MPC 0200. P.)
- Basement - Laundry Tub - fixture is broken or parts missing (MPC 0200 0.)
- Basement - Laundry Tub - incorrectly vented (MPC 2500)
- Basement - Laundry Tub - waste incorrect (MPC 2300)
- Basement - Laundry Tub - water piping incorrect (MPC 0200 P.)

PLUMBING Inspector: Rick Jacobs Phone: 651-266-9054

- First Floor - Sink - faucet is missing, broken or parts missing (MPC 0200.P.)
- First Floor - Sink - fixture is broken or parts missing (MPC 0200 0.)
- First Floor - Sink - waste incorrect (MPC 2300)
- First Floor - Sink - water piping incorrect (MPC 0200 P.)
- Second Floor - Lavatory - waste incorrect (MPC 2300)
- Second Floor - Tub and Shower - faucet is missing, broken or parts missing (MPC 0200. P.)
- Second Floor - Tub and Shower - provide anti-scald valve (MPC 1380. Subp. 5)
- Second Floor - Tub and Shower - provide stopper (MPC 1240)
- All Fixtures - Plumbing - General - Caulk all fixtures to code (MPC 1220 Subp.2)
- Exterior - Gas Piping - Improper entry into dwelling (MFGC 404.4)
- Exterior - Gas Piping - retest all gas piping for Xcel meter unlock (MFGC 406.1)
- Exterior - Lawn Hydrants - Requires backflow assembly or device (MPC 2000)
- All the above corrections to waste, vent, water, and gas piping shall be per the Minnesota Plumbing Code Chapter 4715 & Chapter 326, the Minnesota Mechanical Code, the Minnesota Fuel Gas Code, and the Saint Paul Regional Water Code. All plumbing must be done by a plumbing contractor licensed in the State of Minnesota and the City of St. Paul under an approved permit.

HEATING Inspector: Maureen Hanson Phone: 651-266-9043

- Vent clothes dryer to code
- Provide support for gas lines to code
- Plug, cap and/or remove all disconnected gas lines
- All supply and return ducts for warm air heating system must be clean before final approval for occupancy. Provide access for inspection of inside of ducts or provide documentation from a licensed duct-cleaning contractor that the duct system has been cleaned.
- Verify that A/C system is operable, if not, repair, replace or remove and seal all openings.
- Provide a means of returning air from rear second floor bedroom to the furnace.
- Install a heating system to code.
- Mechanical gas and warm air permits are required for the above work.

ZONING

1. This property is in a(n) RT1 zoning district.
2. This property was inspected as a Single Family Dwelling.

Notes:

- See attachment for permit requirements and appeals procedure.
- Most of the roof covering could not be inspected from grade. Recommend this be done before rehabilitation is attempted.

This is a registered vacant building. In order to sell or reoccupy this building, all deficiencies listed on this code compliance report must be corrected in accordance with the Minimum Housing Standards of the St. Paul Legislative Code (Chapter 34) and all required permits must receive final approval within six (6) months of the date of this report. One (1) six-month time extension may be requested by the owner and will be considered if it can be shown that the code compliance work is proceeding and is more than fifty (50) percent complete in accordance with Legislative Code Section 33.03(f).

You may file an appeal to this notice by contacting the City Clerk's Office at 651-266-8688. Any appeal must be made in writing within 10 days of this notice. (You must submit a copy of this notice when you appeal, and pay a filing fee.)

If you have any questions regarding this inspection report, please contact Ken Eggers between 7:30 - 9:00 AM at 651-266-9046 or leave a voice mail message.

Sincerely,

James L. Seeger
Code Compliance Officer
Department of Safety and Inspections
City of Saint Paul
375 Jackson Street, Suite 220
Saint Paul MN 55101
Phone: 651-266-9046
Email: james.seeger@ci.stpaul.mn.us

JLS:ml
Attachments

AllPhase Companies, Incorporated

404-A St. Croix Trail North, Lakeland, MN 55043
Phone: 651-436-2930 Fax: 651-436-3918

November 19, 2012

Cynthia Carlson Heins
Real Estate Manager
Planning and Economic Development
Suite 1100, 25 West 4th Street
Saint Paul, MN 55102

RE: Asbestos Survey
950 Jessamine Ave. E., St. Paul, MN
1596-12S-4

Dear Ms. Cynthia Carlson Heins:

AllPhase Companies, Incorporated, (AllPhase) performed an asbestos survey at the above referenced site in connection with a renovation in order to identify Asbestos-Containing Material (ACM), which is a building material that has greater than 1% asbestos. The following report contains the results of the survey performed at the above referenced site.

In summary, 26 samples of building materials were collected and analyzed for asbestos type and amount. Asbestos was detected above 1 percent in **zero of the twenty-six samples**. These samples only represent building materials that were collected from the referenced building structure.

The laboratory did not detect asbestos above 0% and less then 1% in the submitted samples.

Friable ACM, is defined by the Asbestos NESHAP, as any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM), that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure. (Sec. 61.141)

Nonfriable ACM is any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix A, Supbart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM), that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. EPA also defines two categories of nonfriable ACM, Category I and Category II nonfriable ACM, which are described later in this guidance.

"Regulated Asbestos-Containing Material" (RACM) is (a) friable asbestos material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

Refer to the asbestos Laboratory Report and chain of custody for other building materials tested and their locations. The following samples detected the presence of asbestos greater than 1%:

None.

This survey is an attempt to identify ACM. However, there is no guarantee that all potential ACM was identified. As a rehabilitation, wall interiors were not assessed. If suspect ACM is discovered during the work and is not listed in this or previous limited surveys, work on that portion of the building should cease, the material wetted and covered, and an asbestos inspector brought to the site to sample and submit to a certified laboratory the sample to determine its asbestos content. Pending analytical results, an abatement crew should remove the ACM before work continues.

INTRODUCTION

The scope of our services was to conduct an asbestos survey, which includes collecting a small portion of the building materials and submitting the sample to a certified laboratory for analysis by PLM. Analysis only assesses the portion of building material collected and submitted.

A. Collect bulk samples of suspect ACMs for laboratory analysis.
B. Analyze the collected samples for asbestos content.

Minnesota requires surveys to be performed by a Minnesota Certified Inspector. This survey was conducted by David Jenkin – Asbestos Inspector #AI8101.

Samples of suspect ACMs were collected by AllPhase by removing a small portion of the suspect material and then placing the individual samples into separate sealed containers.

DISCLAIMERS

Asbestos surveys do not necessarily succeed in identifying all locations and types of ACM on-site. This is because of the variety of locations and the inconsistency of asbestos occurrence in a given building material. Our survey is based solely upon the building materials that were observed and sampled for analysis. Therefore, if unsampled building materials are encountered during the demolition, they should be assessed on a material-by-material basis. If suspect ACM is observed which has not been listed in our evaluation, it should be collected and evaluated by a certified individual and laboratory, respectively. If there is a potential for that material to be ACM, work should stop until the question of asbestos content and/or abatement is resolved in a manner that protects human health and the environment and abides by regulatory guidelines.

Certain building materials are not considered suspect ACM and are not sampled as part of the survey. These materials include but are not limited to wood, concrete (with exceptions), plastics such as polyethylene, polystyrene and polyvinylchloride, fiberglass, rubber (natural and neoprene—black synthetic), foam insulation, metals and glass.

METHODOLOGY

Building materials were analyzed by a NVLAP-accredited laboratory, #101768-0. Laboratory analysis was conducted in accordance with Environmental Protection Agency (EPA) guidelines. The examination for the presence and identification of asbestos fibers in bulk samples is performed in the laboratory using cross-polarized light microscopy and dispersion-staining, particle-identification techniques. Analysis was performed in accordance with EPA 600/M4-82-020 and EPA 600/R-93/116 where applicable. This methodology determines the presence of asbestos varieties, which include Chrysotile, Amosite, Crocidolite, Anthophyllite, Tremolite and Actinolite.

REMARKS

Some of the rules and regulations set by the Environmental Protection Agency (EPA) may apply when the existence of ACMs is confirmed. A complete review of these rules can be found in Part 3 of the Federal Register EPA, 40 CFR Part 61. Summaries of these rules are as follows:

> According to §61.145 of NESHAPS, friable ACMs must be removed from the site prior to demolition. This includes materials that were originally non-friable but have become friable—that is, Category I & II material—due to damage or deterioration—for example, floor tile that has significant chipping or cracking. The necessity for the removal of Category I and II material is evaluated on a site-by-site basis.

Disturbing ACM may require that the Minnesota Pollution Control Agency and/or the Minnesota Department of Health be notified prior to activities with asbestos.

The environmental services performed by AllPhase's survey crew and analyst for this project have been conducted in a manner consistent with the degree of care and technical skill exercised by environmental professionals currently practicing in this area under similar budget and time constraints. Recommendations contained in this report represent our professional judgment at the time the project was performed. No other warranty is intended or implied.

David Jenkin, P.G.
Asbestos Inspector (#AI8101)

EMLab P&K
A TestAmerica Company

Report for:

Mr. David Jenkin, MS
AllPhase Companies, INC
404A St Croix Trail N
Lakeland, MN 55043

Regarding: Project: 1596-12S-4/ 950 Jessamine Ave.; Asb. Survey
EML ID: 995015

Approved by:

Approved Signatory
Kari Wasmer

Dates of Analysis:
Asbestos-EPA Method 600/R-93/116: 11-19-2012

Service SOPs: Asbestos-EPA Method 600/R-93/116 (EPA-600/M4-82-020 (SOP 01267))

EMLab P&K
655 W. Grand Ave., Suite 205, Elmhurst, IL 60126
(630) 758-0263 Fax (630) 501-0643 www.emlab.com

Client: AllPhase Companies, INC
C/O: Mr. David Jenkin, MS
Re: 1596-12S-4/ 950 Jessamine Ave.; Asb. Survey

Date of Sampling: 11-14-2012
Date of Receipt: 11-15-2012
Date of Report: 11-19-2012

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted:	23
Total Samples Analysed:	23
Total Samples with Layer Asbestos Content > 1%:	0

Location: J-1, Stucco, Exterior wall

Lab ID-Version‡: 4442918-1

Sample Layers	Asbestos Content
Gray Stucco / White Paint	ND
Sample Composite Homogeneity:	Moderate

Location: J-2, Putty patch @ NC

Lab ID-Version‡: 4442919-1

Sample Layers	Asbestos Content
Beige Putty	ND
Composite Non-Asbestos Content:	5% Cellulose
Sample Composite Homogeneity:	Moderate

Location: J-3, Underlayment, gray, original

Lab ID-Version‡: 4442920-1

Sample Layers	Asbestos Content
Gray Fibrous Material	ND
Composite Non-Asbestos Content:	99% Cellulose
Sample Composite Homogeneity:	Moderate

Location: J-4, Underlayment, blk, for stucco

Lab ID-Version‡: 4442921-1

Sample Layers	Asbestos Content
Black Fibrous Material	ND
Composite Non-Asbestos Content:	95% Cellulose
Sample Composite Homogeneity:	Moderate

Location: J-5, Ceil. Test., Entry

Lab ID-Version‡: 4442922-1

Sample Layers	Asbestos Content
White Texture	ND
Composite Non-Asbestos Content:	< 1% Wollastonite
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K
655 W. Grand Ave., Suite 205, Elmhurst, IL 60126
(630) 758-0263 Fax (630) 501-0643 www.emlab.com

Client: AllPhase Companies, INC
C/O: Mr. David Jenkin, MS
Re: 1596-12S-4/ 950 Jessamine Ave.; Asb. Survey

Date of Sampling: 11-14-2012
Date of Receipt: 11-15-2012
Date of Report: 11-19-2012

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: J-6, Ceil. Test., Lvg rm Lab ID-Version‡: 4442923-1

Sample Layers	Asbestos Content
White Texture	ND
Sample Composite Homogeneity:	Good

Location: J-7, Flooring compound, lvg rm Lab ID-Version‡: 4442924-1

Sample Layers	Asbestos Content
Gray Leveling Compound	ND
Brown Paper	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Moderate

Location: J-8, Plaster on sheetrock, E. wall Lab ID-Version‡: 4442925-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
White Compound / White Paint	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Moderate

Location: J-9, Flooring, faux wood, lvg rm Lab ID-Version‡: 4442926-1

Sample Layers	Asbestos Content
Brown Flooring with Fibrous Backing	ND
Composite Non-Asbestos Content:	85% Cellulose 2% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: J-10, Fl, shtg, kitch./hall, wht Lab ID-Version‡: 4442927-1

Sample Layers	Asbestos Content
Brown Sheet Flooring	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K
655 W. Grand Ave., Suite 205, Elmhurst, IL 60126
(630) 758-0263 Fax (630) 501-0643 www.emlab.com

Client: AllPhase Companies, INC
C/O: Mr. David Jenkin, MS
Re: 1596-12S-4/ 950 Jessamine Ave.; Asb. Survey

Date of Sampling: 11-14-2012
Date of Receipt: 11-15-2012
Date of Report: 11-19-2012

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: J-11, Ceil. text., hall Lab ID-Version‡: 4442928-1

Sample Layers	Asbestos Content
White Texture	ND
Sample Composite Homogeneity:	Moderate

Location: J-12, Ceil. text., NW rm Lab ID-Version‡: 4442929-1

Sample Layers	Asbestos Content
White Texture	ND
Sample Composite Homogeneity:	Moderate

Location: J-13, Fl. compound, NW rm Lab ID-Version‡: 4442930-1

Sample Layers	Asbestos Content
White Leveling Compound	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Moderate

Location: J-14, Ceil Text., NE rm Lab ID-Version‡: 4442931-1

Sample Layers	Asbestos Content
White Texture	ND
Sample Composite Homogeneity:	Good

Location: J-15, Ceil Text., SW rm Lab ID-Version‡: 4442932-1

Sample Layers	Asbestos Content
White Texture	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K
655 W. Grand Ave., Suite 205, Elmhurst, IL 60126
(630) 758-0263 Fax (630) 501-0643 www.emlab.com

Client: AllPhase Companies, INC
C/O: Mr. David Jenkin, MS
Re: 1596-12S-4/ 950 Jessamine Ave.; Asb. Survey

Date of Sampling: 11-14-2012
Date of Receipt: 11-15-2012
Date of Report: 11-19-2012

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: J-16, Fl. compound- 2 layers Lab ID-Version‡: 4442933-1

Sample Layers	Asbestos Content
White Leveling Compound	ND
White Leveling Compound	ND
Sample Composite Homogeneity:	Good

Location: J-17, Ceil., text., SE rm Lab ID-Version‡: 4442934-1

Sample Layers	Asbestos Content
White Texture	ND
Sample Composite Homogeneity:	Good

Location: J-18, Fl. Compound, SE rm Lab ID-Version‡: 4442935-1

Sample Layers	Asbestos Content
White Leveling Compound	ND
Sample Composite Homogeneity:	Good

Location: J-19, Fl. Shtg, SW rm Lab ID-Version‡: 4442936-1

Sample Layers	Asbestos Content
Cream Sheet Flooring with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Moderate

Location: J-20, Window glazing E window Lab ID-Version‡: 4442937-1

Sample Layers	Asbestos Content
White Window Glazing	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K
655 W. Grand Ave., Suite 205, Elmhurst, IL 60126
(630) 758-0263 Fax (630) 501-0643 www.emlab.com

Client: AllPhase Companies, INC
C/O: Mr. David Jenkin, MS
Re: 1596-12S-4/ 950 Jessamine Ave.; Asb. Survey

Date of Sampling: 11-14-2012
Date of Receipt: 11-15-2012
Date of Report: 11-19-2012

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: J-21, Insulation plug Lab ID-Version‡: 4442938-1

Sample Layers	Asbestos Content
White Insulation	ND
Sample Composite Homogeneity:	Good

Location: J-22, Insulation- gray paper mulch Lab ID-Version‡: 4442939-1

Sample Layers	Asbestos Content
Gray Insulation	ND
Composite Non-Asbestos Content:	99% Cellulose
Sample Composite Homogeneity:	Moderate

Location: J-23, Tar tape/ wrap, black on basement furnace Lab ID-Version‡: 4442940-1

Sample Layers	Asbestos Content
Black Tar	ND
Composite Non-Asbestos Content:	2% Cellulose
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Midwest
Environmental
Consulting, L.L.C.

November 16, 2012

Rennie Smith
All Phase Companies, Inc.
404A St. Croix Trail North
Lakeland MN 55043

RE: HUD Lead-Based Paint Inspection and Risk Assessment at the Single Family Residential Property, 950 Jessamine Avenue East, St. Paul, Minnesota (All Phase Phone: 651-436-2930)

Dear Rennie Smith:

At your request, Midwest Environmental Consulting, L.L.C. (MEC) performed a HUD lead-based paint inspection and risk assessment of the single family residential located at 950 Jessamine Avenue East, St. Paul, Minnesota on November 14, 2012 and November 15, 2012.

Andrew Myers, Environmental Project Manager with MEC and licenced lead risk assessor (MN LR #578) performed all field work associated with this project. MEC credentials can be found in Appendix A.

The purpose of this project was to determine whether lead-based paint or other lead hazards are present on the interior or exterior surfaces of the residential property. This report contains the results of the HUD lead-based paint inspection and risk assessment.

The inspection was conducted following the Housing and Urban Development (HUD) *"Guidelines for the Evaluation and Control of Lead-Based Paint in Housing,"* using the October 1997 revised Chapter 7 protocols. The sampling criteria used are those outlined in the HUD Standards 24 CFR Part 35 et al, "*Requirements for Notification Evaluation and Education of Lead-Based Paint Hazards in Federally Owned Residential Property and Housing Receiving Federal Assistance.*" Also included, is an evaluation for lead dust hazards and bare soil hazards as part of the risk assessment.

According to HUD protocol, if the first 5 of a building component are identified as positive for lead-based paint, the remaining like components are assumed to be lead-based paint containing.

SITE DESCRIPTION

The single family property located at 950 Jessamine Avenue East, St. Paul, Minnesota is a two story wood framed structure constructed on a stone foundation/basement constructed in approximately 1894. There is an attic with access from the 2nd floor. There have been previous renovations to the property. The interior walls & ceilings are primarily drywall. Window systems are primarily vinyl windows. There is stucco siding over wood lap siding. Some wood siding is exposed. The exterior trim, soffits & fascia are wood. There is an open air porch overhang in the front of the house.

The property is currently vacant.

Bare soil was observed and a bare soil sample was collected.

RESULTS OF PAINT INSPECTION

MEC used a paint inspection sampling strategy as described in the HUD *Guidelines* (1995 and revised Chapter 7 in October 1997). The results of portable X-Ray Fluorescence (XRF) spectrum analysis of representative building components in each functional area or room are shown in Appendix B. Results are organized and shown in actual sequence of analysis. All tests were made using a Niton® XLp 303A X-Ray Fluorescence Spectrum Analyzers (Serial # 26848).

XRF analytical results in Appendix B, in the column labeled "Results" represent lead concentrations per square centimeter of painted surface (mg/cm^2).

HUD regulations 24 CFR Part 35 et al, the HUD *Guidelines* and the Minnesota Department of Health (MDH) define the paint action level as lead concentrations at or above the level of 1.0 mg/cm^2 when measured with a portable XRF instrument (0.5% by weight when measured by laboratory methods).

The lead-based paint risk assessment protocol described in the HUD *Guidelines* and the EPA regulations rely on evaluation of surface coatings meeting the definition of poor, planned renovations, presence of dust and soil above current EPA and Minnesota Department of Health (MDH) Standards.

Tests are performed on each test combination. A test combination consists of unique combinations of substrate, color, building component, and location.

XRF results are classified as positive or negative. A positive classification indicates that lead is present on the testing combination at or above the HUD standards. It's important to note that the limited inspection of surfaces tested only applies to those surfaces areas tested and does not meet the requirements of a full HUD lead-based paint

inspection and those surface areas not tested would be assumed to contain lead-based paint.

Appendix B includes a record of XRF calibration checks. Those checks were performed on thin films supplied by the XRF manufacturer; they contain known concentrations of lead. The graphs in that appendix show the variation of quality control with time. The assays in the table of raw data (Appendix B) that are labeled "Calibrate" indicate that they are for quality control. Additional quality control data and information are available to you upon request.

Side A: North, faces Jessamine Avenue
Side B: East, faces residential properties
Side C: South, faces alley & school across alley
Side D: West, faces residential properties

Specific building components determined to have a lead concentration above the action level of (1.0 mg/cm^2) are listed below:

LOCATION	COMPONENT
Basement	Painted wood cellar window
Exterior	Painted wood support upper trim - Side A
Exterior	Painted wood soffits, fascia, trim
Exterior	Painted wood siding (exposed under stucco)
Exterior	Painted wood drip board

Also included in Appendix B of this report is a rating of the condition of paint on components (column titled "Condition"). Comments on the condition include:

Intact: good condition; **Fair:** less than 2 square feet of damage to large interior surface, i.e., wall, less than 10 square feet of damage to large exterior surface, i.e., outside walls, or less than 10% damage to small surface areas, i.e., baseboards, trim, etc.; **Poor:** more than 2 square feet of damage on large interior surfaces, more than 10 square feet of damage to large exterior surface areas, or more than 10% damage to small surface areas.

RESULTS OF LEAD RISK ASSESSMENT

The risk assessment portion of this investigation involved two major phases: collecting information about the property through use of a visual inspection of the dwelling; and

reviewing paint test data, and visual assessment notes in order to determine the type, location, and number of samples needed to further identify lead hazards at the property. These samples may consist of paint, dust, soil, and water.

- The date of construction of the residence is approximately 1894..
- The property is a single family structure.
- Interior walls & ceilings are primarily drywall.
- Window systems are primarily vinyl.
- The exterior siding is stucco over wood lap siding (some wood siding is exposed).
- Exterior soffits, fascia & trim are wood.
- The property is currently vacant.
- Bare soil was observed.

Visual Inspection

MEC conducted an inspection of painted and varnished surfaces on the interior and exterior of the residence. Emphasis was placed on chewable surfaces within 5 feet of the ground or floor.

The results of the visual inspection indicate that the interior and the exterior of the structure is mainly in poor condition with some components in fair or intact condition.

Please note, however, the condition report within the XRF table for painted or varnished surfaces found to be fair or poor, that were below the 1.0 mg/cm^2 action level.

Environmental Sampling Plan

Based on the location of lead-based paint, deteriorated lead-based paint, and information gathered during the visual inspection, MEC formulated the following environmental sampling plan to identify other lead hazards on this property. Water samples were not collected as they were not part of the scope of work for this project. Bare soil was observed and a bare soil sample was collected.

Samples were collected and delivered to EMSL Laboratory (ELLAP 163162), Minneapolis, Minnesota where they were prepared and analyzed using current appropriate protocols for lead. Laboratory results for environmental samples may be found in Appendix C.

Analytical results are reported below for each sample and compared to standard action levels that have been identified for this project.

SAMPLE # DATE	LOCATION	RESULT	PROJECT ACTION LEVEL
502/1112A-W1 11/14/12	Front Entry, Side A, floor	39 µg/ft^2	40 µg/ft^2
502/1112A-W2 11/14/12	Front Entry, Side A, window stool	77 µg/ft^2	250 µg/ft^2
502/1112A-W3 11/14/12	Kitchen, Side D, window stool	**1,200 µg/ft^2**	**250 µg/ft^2**
502/1112A-W4 11/14/12	Kitchen, Back Entry, Side C, floor	**46 µg/ft^2**	**40 µg/ft^2**
502/1112A-W5 11/14/12	Basement, Floor, middle	**300 µg/ft^2**	**40 µg/ft^2**
502/1112A-W6 11/14/12	Bedroom 2, Side A, floor	39 µg/ft^2	40 µg/ft^2
502/1112A-W7 11/14/12	Bedroom 2, Side A, window stool	140 µg/ft^2	250 µg/ft^2
502/1112A-W8 11/14/12	Blind Field Blank	40 µg/ft^2	---------
502/1112A-S1 11/14/12	Bare Soil Foundation	**180 ppm**	**100 ppm**

* Unit Abbreviations: µg/ft^2 = micrograms per square foot ppm=parts per million

Dust wipe samples and a bare soil sample were collected from the residence, however, water and sodium rhodizonate swabs were not collected as part of this project.

RECOMMENDATIONS

Lead-based paint or lead hazards were found during the inspection and risk assessment of the property including painted wood cellar window components; exterior painted wood soffits, fascia & trim; and a painted wood drip board.

According to HUD protocol, if the first 5 of a building component are identified as positive for lead-based paint, the remaining like components are assumed to be lead-based paint containing.

At the request of the City of St. Paul, only abatement options are provided for lead hazards identified during this evaluation. Abatement options can include removal of building components to the substrate and replacement with new lead free products; enclosure of building components under dust tight barriers; encapsulation; or removal of coatings to the substrates and re-coating with lead free coatings.

Basement:

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Exterior:

Painted wood soffits & fascia & trim: In poor condition.

- Option 1: Remove components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under dust tight barrier such as metal cladding and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood siding (exposed under stucco): In poor condition.

- Option 1: Remove siding (including stucco, which is in poor condition) using Lead Safe Work Practices and replace with lead free products.
- Option 2: Repair existing stucco, enclosing all exposed wood siding using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Enclose under a dust tight barrier, such as low maintenance siding, using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring. Ensure that all seams & seals are maintained in a sealed condition with elastomeric caulk.
- Option 4: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with new lead free coatings.

Painted wood drip board: In poor condition.

- Option 1: Remove drip board using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Lead Dust:
Dust was identified as a lead hazard on window and floor surfaces tested. All floors and window systems should be cleaned and made smooth and cleanable. If planned renovation or work activity will disturb lead coated surfaces, lead safe work practices should be followed, which include requirements for clean up of the work area and clearance testing.

Bare Soil:
Bare soil was observed and a bare soil sample was collected and found to be above the MDH standard of 100 parts per million.

- Abatement Option 1: Removal of bare soil and replacement with new soil of 25 parts per million of lead or less.
- Abatement Option 2: Covering bare soil with asphalt, concrete or other impervious coating.

When qualified contractors are performing the planned renovation/remodeling activities, precautions should be properly done to minimize the potential for lead-based paint contamination to the workers, occupants and the environment.

DISCUSSION

The mere presence of lead-coated surfaces does not create a lead hazard. Maintenance of lead containing coatings will prevent lead from becoming a hazard. Lead-based paint above the action level of 1.0 mg/cm^2 was found on surfaces tested.

Because exterior surfaces are to be remediated and lead-coatings are present, covering the ground and providing adequate protection to soil is very important. Bare soil was found to be above defined action levels.

Dust wipe samples collected found lead dust levels above the action levels on floor and window surfaces tested as defined by MDH, HUD and EPA in the sampling locations tested. Contractors will be required to clean all floor systems and window surfaces throughout the complex for lead hazards in dust following and as a part of the planned restoration.

The preceding lead reduction recommendations include different ways to treat each lead hazard that was identified by the risk assessment/inspection. The most effective treatments are considered abatement and require little or no ongoing maintenance to preserve a lead safe environment. The less effective treatments are called interim controls and these treatments require an increased amount of ongoing maintenance to preserve a lead safe environment.

If no lead dust, soil, or lead-based paint is found, then no monitoring is required.

If no hazards are found, but lead-based paint is found, then reevaluation should occur every three years, and an owner's visual survey should occur annually.

If lead dust, soil, or lead-based paint hazards are found to be present, choosing the option with removal of all lead-based paint will result in no monitoring requirements. If abatement options are chosen that include enclosure, then no re-evaluation is required, but the owner should conduct visual surveys every year to ensure the enclosure has not failed. If the interim control options (stabilize and paint) are chosen, then re-evaluation should occur after the first year and then every two years after that. Visual surveys by the owner should occur annually.

If lead dust levels are found to be more than ten times the standard levels, then reevaluation after interim control measures should occur six months after the hazard reduction.

In general, all painted surfaces should be monitored. A negative result does not necessarily indicate that no lead is present in that surface, but rather indicates that any lead present in that surface does not rise above the 1.0 mg/cm^2 threshold in the areas tested. Therefore, all painted surfaces should be maintained in accordance with the Minnesota Department of Health standards.

ROUGH ESTIMATED COSTS:

- Work site preparation for interior, approximately $75.00 to $250.00 per room.
- Window replacement, approximately $150.00 and up, depending on style.
- Exterior preparation approximately $35.00 to $75.00 per component (i.e., windows, doors), removal or enclosure.
- Work area cleaning: $0.15 to $0.35 per square foot.
- Paint stabilization: $0.20 to $0.65 per square foot.
- Removal: Paint - chemical stripper: $0.65 to $1.50 square foot.
- Soil Remediation:
  a. Clean-up of visible exterior paint chips: $0.90 to $1.35 square foot.
  b. Seed and tack grass: $0.45 to $0.75 square foot.
  c. Sod: $1.25 to $3.30 square foot.
  d. Regrade at foundation and sod: $3.00 to $5.00 square foot.

e. Mulch - 4": $0.50 to $0.90 square foot.
f. Concrete: $4.50 to $8.00 square foot.
g. Replace soil: $42.00 to $65.00 cubic yard.

If work is going to be performed on these surfaces, individuals and/or contractors should be informed of the results of testing. At a minimum, the person(s) performing the work should follow the requirements of the Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1926.62, Lead in the Construction Industry.

For the protection of the occupants and workers, and because of the use of federal funds, you are required by the HUD rules to use qualified firms who are knowledgeable about the hazards associated with lead. Supervisor should be licensed and workers will be required to be licenced or certified, as MEC understands the scope of work.

Please maintain a copy of the lead inspection/risk assessment report for your records and provide a copy of the report to any contractors that may be involved in any future renovations or remodeling projects.

A copy of this lead inspection/risk assessment summary must be provided to purchasers or lessees (tenants) of this property under Federal Law (24 CFR Part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract.

The complete report must also be provided to new purchasers and it must be made available to new tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet approved by the U.S. Environmental Protection Agency and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards.

It has been our pleasure to provide this service to you and your organization. Please contact me if you have questions relating to any aspect of this work.

Respectfully submitted,

Andrew Myers
Environmental Services Project Manager

APPENDIX A

INSPECTOR CREDENTIALS

Minnesota Department of Health

has authorized

Midwest Environmental Consulting, LLC
125 Railroad Ave SW
Mora, Minnesota 55051

in accordance with Minnesota Statutes, section 144.9505 and Minnesota Rules, part 4761.2200, to practice in the State of Minnesota as a

Certified Lead Firm

License No: LF551
Expires 03/28/2013

This certificate is nontransferable.

Linda B. Bruemmer

Linda B. Bruemmer, Director
Division of Environmental Health

Director, Env. Health Div.

MDH **LEAD**
Risk Assessor

Licensed by:
State of Minnesota
Department of Health

License No. LR578
Expires 08/23/2013

Andrew J Myers
210 2nd St N
New Prague, MN 56071

Andrew J. Myers

has completed the Minnesota-Approved Lead Training course entitled:

Lead Risk Assessor Refresher Training

August 23, 2012

given by

Midwest Environmental Consulting, L.L.C.
125 Railroad Avenue SW, Mora MN 55051
Phone: 763.691.0111

SUCCESSFULLY PASSED THE EXAMINATION ON August 23, 2012, IN Coon Rapids, MINNESOTA

IDENTIFICATION NUMBER: MEC/LRAR 0919
Expiration Date: August 23, 2013
MDH Permit Number: RAR-006

Course Director/Primary Instructor

Approved by the State of Minnesota under Minnesota Rules, parts 4761.2000 to 4761.2700.

I-0031

Lead Inspector Independent Examination

121 East Seventh Place, Suite 220 • St. Paul • Minnesota 55101 • (651) 215-0700

This certifies that

Andrew Myers

has successfully passed the required independent examination for:

Lead Inspector

March 22, 2001
Morris, Minnesota

This certificate is nontransferable.

Jan K. Malcom
Commissioner

Patricia A. Bloomgren, Director
Division of Environmental Health

RA-0239

Lead Risk Assessor Independent Examination

121 East Seventh Place, Suite 220 • St. Paul, Minnesota 55101 • (651) 215-0700

This certifies that

Andrew Myers

has successfully passed the required independent examination for:

Lead Risk Assessor

June 26, 2001
Minneapolis, Minnesota

This certificate is nontransferable.

Jan K. Malcom
Commissioner

Patricia A. Bloomgren, Director
Division of Environmental Health

Andrew J. Myers

has completed the Minnesota Approved Lead Training course entitled:

Initial Lead Inspector Training
March 12-14, 2001

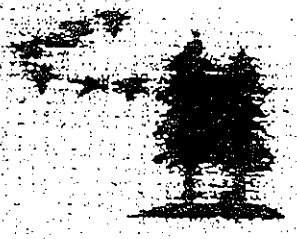
given by

Midwest Environmental Consulting, L.L.C.
145 - 2ND Avenue SE, Cambridge, MN 55008

SUCCESSFULLY PASSED THE EXAMINATION ON MARCH 14, 2001, IN BIORKS, MINNESOTA

IDENTIFICATION NUMBER: MECA LI 0053
Expiration Date: March 14, 2002
MDH Permit No: LI - 003

Course Director



Andrew J. Myers

has completed the Minnesota Approved Lead Training course entitled:

Lead-Based Paint Risk Assessor Training

June 25-26, 2001

given by

Midwest Environmental Consulting, L.L.C.
145 - 2nd Avenue SE, Cambridge, MN 55008

- SUCCESSFULLY PASSED THE EXAMINATION ON JUNE 26, 2001, IN MINNEAPOLIS, MINNESOTA

IDENTIFICATION NUMBER: MEC/LRA 0111
Expiration Date: June 26, 2002
MDH Permit #: RA-002

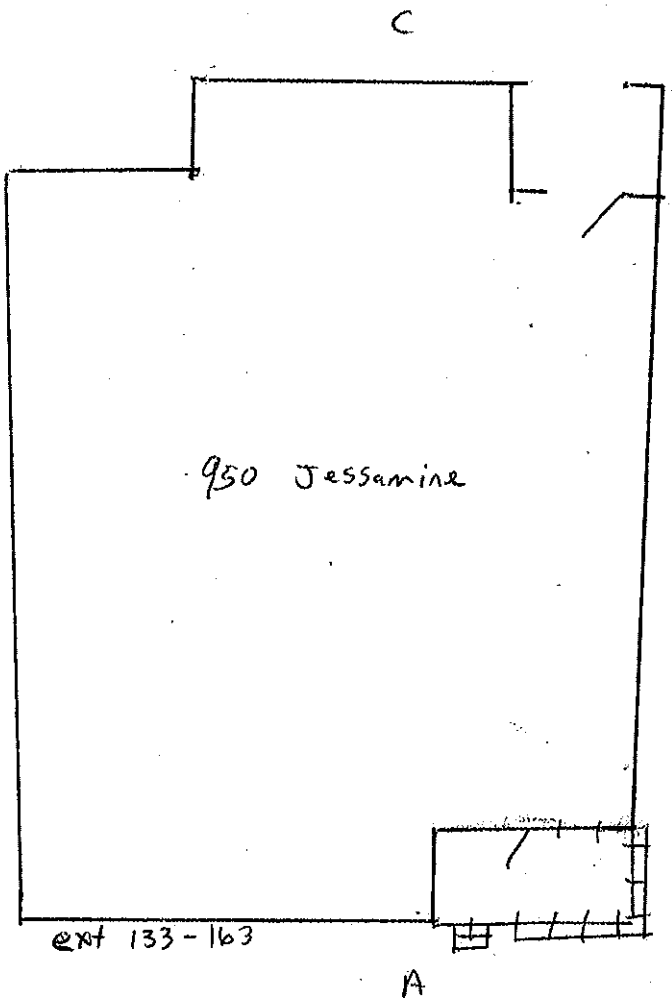
Course Director

APPENDIX B

XRF TEST RESULTS
SAMPLING MAPS
DATA PAGES
CALIBRATION DATA

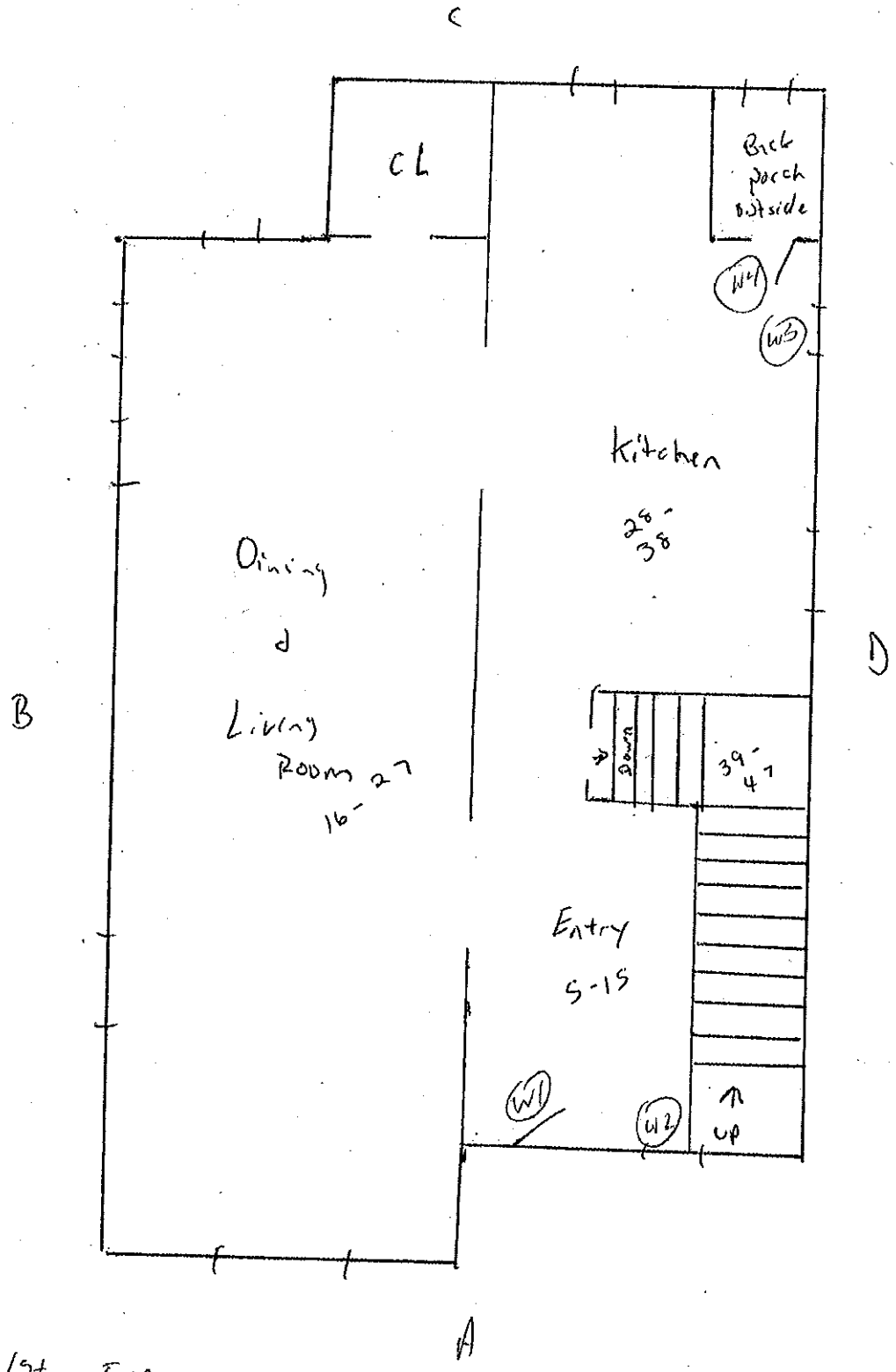
School

Alley



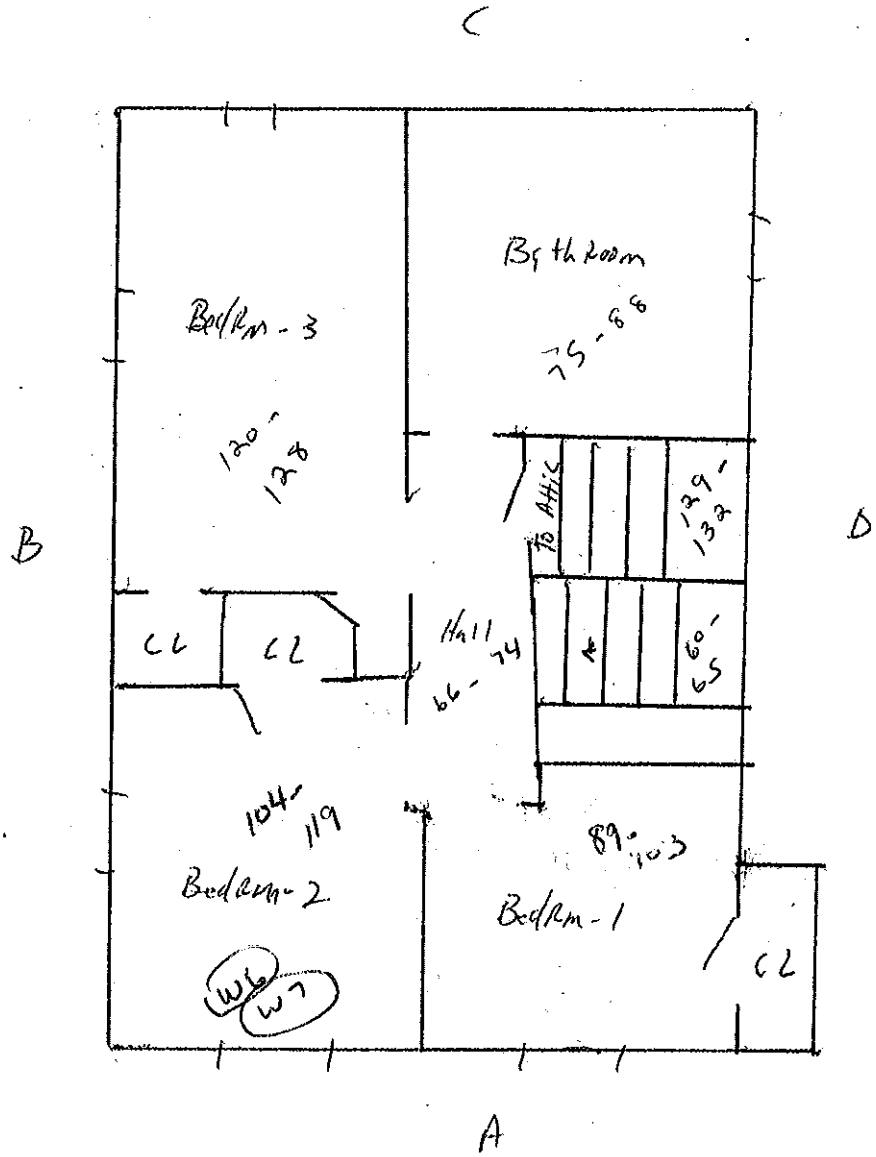
Jessamine

950 Jessamine



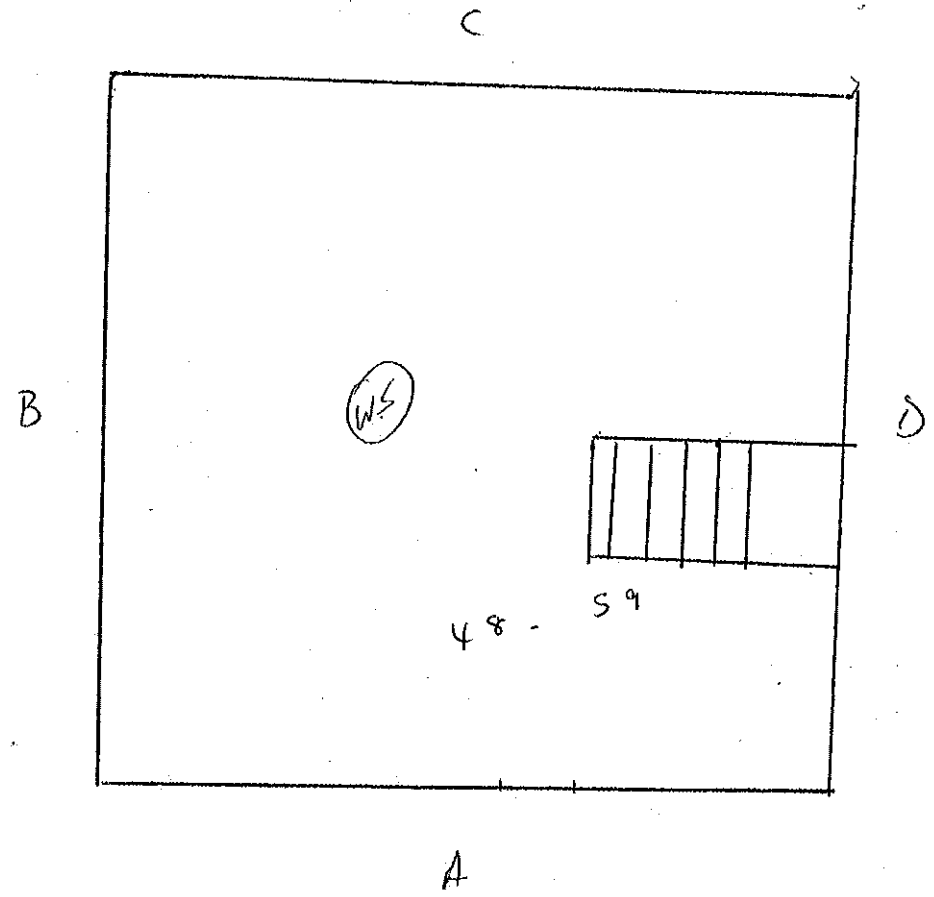
1st FLR

950 Jessamine



2nd FLR

950 Jessamine



Basement

All Phase Companies
950 Jessamine Ave
St. Paul MN

Site: All Phase Companies - 950 Jessamine Ave, St. Paul MN
Date: Nov. 15, 2012
XRF: XLp 303A, Serial # 26848

Site	XRF #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp.
	1	11/15/2012 11:57										4.24	1.1	0.03	60.22		AM
950 Jessamine Ave	2	11/15/2012 11:59					calibrate				POS	1.1	1.1	< LOD	11.05	1.11	AM
950 Jessamine Ave	3	11/15/2012 11:59					calibrate				POS	1	1	< LOD	21.62	1.07	AM
950 Jessamine Ave	4	11/15/2012 12:00					calibrate				POS	1.1	1.1	< LOD	11.11	1.13	AM
950 Jessamine Ave	5	11/15/2012 12:02	1	FRONT ENTRY		A	DOOR	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.11	1	AM
950 Jessamine Ave	6	11/15/2012 12:03	1	FRONT ENTRY		D	DOOR	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.51	1	AM
950 Jessamine Ave	7	11/15/2012 12:03	1	FRONT ENTRY		D	DOOR CASING	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.66	1	AM
950 Jessamine Ave	8	11/15/2012 12:04	1	FRONT ENTRY		C	VENT	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.26	5.51	AM
950 Jessamine Ave	9	11/15/2012 12:04	1	FRONT ENTRY			FLOOR	CERAMIC	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.69	1.1	AM
950 Jessamine Ave	10	11/15/2012 12:05	1	FRONT ENTRY		A	WINDOW	VINYL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.09	1.69	AM
950 Jessamine Ave	11	11/15/2012 12:05	1	FRONT ENTRY		A	WALL	DRYWALL	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	6.37	4.35	AM
950 Jessamine Ave	12	11/15/2012 12:05	1	FRONT ENTRY		B	WALL	DRYWALL	POOR	GREEN	Neg	< LOD	< LOD	< LOD	6.77	1.22	AM
950 Jessamine Ave	13	11/15/2012 12:06	1	FRONT ENTRY		C	WALL	DRYWALL	POOR	BLUE	Neg	< LOD	< LOD	< LOD	5.54	1	AM
950 Jessamine Ave	14	11/15/2012 12:06	1	FRONT ENTRY		D	WALL	DRYWALL	POOR	BLUE	Neg	< LOD	< LOD	< LOD	4.23	7.69	AM
950 Jessamine Ave	15	11/15/2012 12:06	1	FRONT ENTRY			CEILING	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.09	9.63	AM
950 Jessamine Ave	16	11/15/2012 12:07	1	LIVING ROOM			CEILING	DRYWALL	POOR	WHITE	Null	< LOD	< LOD	< LOD	1.7	1	AM
950 Jessamine Ave	17	11/15/2012 12:07	1	LIVING ROOM			CEILING	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.97	1	AM
950 Jessamine Ave	18	11/15/2012 12:08	1	LIVING ROOM		A	WALL	DRYWALL	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	5.98	1.07	AM
950 Jessamine Ave	19	11/15/2012 12:08	1	LIVING ROOM		B	WALL	DRYWALL	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	5.95	1.18	AM
950 Jessamine Ave	20	11/15/2012 12:08	1	LIVING ROOM		C	WALL	DRYWALL	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	4.24	2.98	AM
950 Jessamine Ave	21	11/15/2012 12:09	1	LIVING ROOM		D	WALL	DRYWALL	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	3.42	1.28	AM
950 Jessamine Ave	22	11/15/2012 12:09	1	LIVING ROOM		C	CLOSET WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.24	1.57	AM
950 Jessamine Ave	23	11/15/2012 12:10	1	LIVING ROOM		C	CLOSET SHELF	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.69	1	AM
950 Jessamine Ave	24	11/15/2012 12:10	1	LIVING ROOM		C	CLOSET DR JAMB	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.13	1	AM
950 Jessamine Ave	25	11/15/2012 12:10	1	LIVING ROOM		C	CLOSET DR JAMB	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.67	3.12	AM
950 Jessamine Ave	26	11/15/2012 12:11	1	LIVING ROOM		A	WINDOW	vinyl	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.83	2.34	AM
950 Jessamine Ave	27	11/15/2012 12:11	1	LIVING ROOM			FLOOR	vinyl	POOR	BROWN	Neg	< LOD	< LOD	< LOD	4.65	1	AM
950 Jessamine Ave	28	11/15/2012 12:12	1	KITCHEN			FLOOR	ceramic	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	5.09	1	AM
950 Jessamine Ave	29	11/15/2012 12:13	1	KITCHEN		D	vent	METAL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.09	1	AM
950 Jessamine Ave	30	11/15/2012 12:13	1	KITCHEN		C	DOOR	METAL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.11	1	AM
950 Jessamine Ave	31	11/15/2012 12:14	1	KITCHEN		C	DOOR casing	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.65	1	AM
950 Jessamine Ave	32	11/15/2012 12:14	1	KITCHEN		C	CABINET	WOOD	INTACT	varnish	Neg	< LOD	< LOD	< LOD	5.08	1	AM
950 Jessamine Ave	33	11/15/2012 12:15	1	KITCHEN		C	CABINET	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.67	1	AM
950 Jessamine Ave	34	11/15/2012 12:15	1	KITCHEN		A	WALL	DRYWALL	POOR	GREEN	Neg	< LOD	< LOD	< LOD	6.39	1	AM
950 Jessamine Ave	35	11/15/2012 12:15	1	KITCHEN		B	WALL	DRYWALL	POOR	GREEN	Neg	< LOD	< LOD	< LOD	4.24	1.37	AM
950 Jessamine Ave	36	11/15/2012 12:16	1	KITCHEN		B	WALL	DRYWALL	POOR	GREEN	Neg	< LOD	< LOD	< LOD	5.92	5.23	AM

All Phase Companies
950 Jessamine Ave
St. Paul MN

Site	XRF #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	Pbl	PbK	Duration	Depth	Insp
950 Jessamine Ave	37	11/15/2012 12:16	1	KITCHEN		C	WALL	DRYWALL	POOR	GREEN	Neg	< LOD	< LOD	< LOD	8.54	1	AM
950 Jessamine Ave	38	11/15/2012 12:17	1	KITCHEN			CEILING	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.08	1	AM
950 Jessamine Ave	39	11/15/2012 12:22	0	STAIR			CEILING	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.51	1	AM
950 Jessamine Ave	40	11/15/2012 12:22	0	STAIR		A	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.68	1.74	AM
950 Jessamine Ave	41	11/15/2012 12:22	0	STAIR		B	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.92	1	AM
950 Jessamine Ave	42	11/15/2012 12:23	0	STAIR		C	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.68	1	AM
950 Jessamine Ave	43	11/15/2012 12:23	0	STAIR		D	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.68	1	AM
950 Jessamine Ave	44	11/15/2012 12:24	0	STAIR		A	BASEBOARD	WOOD	POOR	grey	Neg	< LOD	< LOD	< LOD	5.1	1.14	AM
950 Jessamine Ave	45	11/15/2012 12:24	0	STAIR		A	TREAD	WOOD	POOR	grey	Neg	< LOD	< LOD	< LOD	4.67	1.67	AM
950 Jessamine Ave	46	11/15/2012 12:24	0	STAIR			FLOOR	WOOD	POOR	grey	Neg	0.12	0.12	< LOD	7.62	5.1	AM
950 Jessamine Ave	47	11/15/2012 12:25	0	STAIR		B	DOOR	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.69	1	AM
950 Jessamine Ave	48	11/15/2012 12:27	0	basement		D	WINDOW	WOOD	POOR	BROWN	POS	1	1	1.2	23.36	1.23	AM
950 Jessamine Ave	49	11/15/2012 12:27	0	basement		A	COLUMN	METAL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.65	4.7	AM
950 Jessamine Ave	50	11/15/2012 12:28	0	basement		A	support beam	WOOD	POOR	BROWN	Neg	< LOD	< LOD	< LOD	4.67	1	AM
950 Jessamine Ave	51	11/15/2012 12:28	0	basement		A	WALL	CONCRETE	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.93	1.01	AM
950 Jessamine Ave	52	11/15/2012 12:29	0	basement		B	WALL	CONCRETE	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.69	1	AM
950 Jessamine Ave	53	11/15/2012 12:29	0	basement		C	WALL	CONCRETE	POOR	WHITE	Null	< LOD	< LOD	< LOD	1.28	1	AM
950 Jessamine Ave	54	11/15/2012 12:29	0	basement		C	WALL	CONCRETE	POOR	WHITE	Null	< LOD	< LOD	< LOD	2.12	2.63	AM
950 Jessamine Ave	55	11/15/2012 12:29	0	basement		C	WALL	CONCRETE	POOR	WHITE	Null	< LOD	< LOD	< LOD	1.7	1	AM
950 Jessamine Ave	56	11/15/2012 12:30	0	basement		C	WALL	CONCRETE	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.24	3.34	AM
950 Jessamine Ave	57	11/15/2012 12:30	0	basement		D	WALL	CONCRETE	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.21	2.37	AM
950 Jessamine Ave	58	11/15/2012 12:31	0	basement			FLOOR	CONCRETE	POOR	RED	Neg	< LOD	< LOD	< LOD	6.8	1.27	AM
950 Jessamine Ave	59	11/15/2012 12:31	0	basement		C	elec. box support	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.25	2.33	AM
950 Jessamine Ave	60	11/15/2012 12:35	2	STAIR			CEILING	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.37	1	AM
950 Jessamine Ave	61	11/15/2012 12:36	2	STAIR		A	WALL	DRYWALL	INTACT	YELLOW	Neg	< LOD	< LOD	< LOD	5.11	1	AM
950 Jessamine Ave	62	11/15/2012 12:36	2	STAIR		B	WALL	DRYWALL	INTACT	YELLOW	Neg	< LOD	< LOD	< LOD	5.96	1.83	AM
950 Jessamine Ave	63	11/15/2012 12:36	2	STAIR		C	WALL	DRYWALL	INTACT	YELLOW	Neg	< LOD	< LOD	< LOD	5.53	1	AM
950 Jessamine Ave	64	11/15/2012 12:37	2	STAIR		D	WALL	DRYWALL	INTACT	YELLOW	Neg	< LOD	< LOD	< LOD	5.53	3.42	AM
950 Jessamine Ave	65	11/15/2012 12:37	2	STAIR		C	hand rail	WOOD	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	4.68	1	AM
950 Jessamine Ave	66	11/15/2012 12:38	2	HALL		B	DOOR	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.66	1	AM
950 Jessamine Ave	67	11/15/2012 12:39	2	HALL		C	DOOR casing	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.68	1	AM
950 Jessamine Ave	68	11/15/2012 12:39	2	HALL			FLOOR	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.65	5.71	AM
950 Jessamine Ave	69	11/15/2012 12:39	2	HALL		A	BASEBOARD	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.67	1	AM
950 Jessamine Ave	70	11/15/2012 12:40	2	HALL			CEILING	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	6.8	1	AM
950 Jessamine Ave	71	11/15/2012 12:40	2	HALL		A	WALL	DRYWALL	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	5.1	1	AM
950 Jessamine Ave	72	11/15/2012 12:41	2	HALL		B	WALL	DRYWALL	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	5.11	1.18	AM
950 Jessamine Ave	73	11/15/2012 12:41	2	HALL		C	WALL	DRYWALL	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	5.94	1.99	AM
950 Jessamine Ave	74	11/15/2012 12:41	2	HALL		D	WALL	DRYWALL	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	5.93	1.96	AM
950 Jessamine Ave	75	11/15/2012 12:42	2	BATHROOM		A	WALL	DRYWALL	INTACT	BEIGE	Neg	< LOD	< LOD	< LOD	6.38	1	AM
950 Jessamine Ave	76	11/15/2012 12:42	2	BATHROOM		B	WALL	DRYWALL	INTACT	BEIGE	Neg	< LOD	< LOD	< LOD	5.95	1	AM

All Phase Companies
950 Jessamine Ave
St. Paul MN

Site	XRF #	Date/Time	Floor	Room	Row #	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp.
950 Jessamine Ave	77	11/15/2012 12:43	2	BATHROOM		C	WALL	DRYWALL	INTACT	BEIGE	Neg	< LOD	< LOD	< LOD	5.95	1	AM
950 Jessamine Ave	78	11/15/2012 12:43	2	BATHROOM		D	WALL	DRYWALL	INTACT	BEIGE	Neg	< LOD	< LOD	< LOD	5.92	1	AM
950 Jessamine Ave	79	11/15/2012 12:43	2	BATHROOM			CEILING	DRYWALL	INTACT	WHITE	Null	< LOD	< LOD	< LOD	2.13	1	AM
950 Jessamine Ave	80	11/15/2012 12:43	2	BATHROOM			CEILING	DRYWALL	INTACT	WHITE	Null	< LOD	< LOD	< LOD	1.27	1	AM
950 Jessamine Ave	81	11/15/2012 12:44	2	BATHROOM			CEILING	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.51	1	AM
950 Jessamine Ave	82	11/15/2012 12:44	2	BATHROOM			FLOOR	ceramic	INTACT	BEIGE	Neg	< LOD	< LOD	< LOD	7.65	1.15	AM
950 Jessamine Ave	83	11/15/2012 12:45	2	BATHROOM		B	CABINET	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.7	1	AM
950 Jessamine Ave	84	11/15/2012 12:45	2	BATHROOM		B	CABINET	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.69	1	AM
950 Jessamine Ave	85	11/15/2012 12:46	2	BATHROOM		D	vent	METAL	INTACT	BEIGE	Neg	< LOD	< LOD	< LOD	5.51	3.15	AM
950 Jessamine Ave	86	11/15/2012 12:46	2	BATHROOM		A	CLOSET dr	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.67	2.17	AM
950 Jessamine Ave	87	11/15/2012 12:47	2	BATHROOM		A	Clst Dr Casing	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.69	1	AM
950 Jessamine Ave	88	11/15/2012 12:47	2	BATHROOM		A	CLOSET wall	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.12	1	AM
950 Jessamine Ave	89	11/15/2012 12:48	2	BEDROOM 1		C	DOOR casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.7	2.47	AM
950 Jessamine Ave	90	11/15/2012 12:49	2	BEDROOM 1		A	WINDOW casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.67	1.76	AM
950 Jessamine Ave	91	11/15/2012 12:49	2	BEDROOM 1		A	WINDOW	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.67	1.38	AM
950 Jessamine Ave	92	11/15/2012 12:50	2	BEDROOM 1		C	vent	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.69	1.96	AM
950 Jessamine Ave	93	11/15/2012 12:51	2	BEDROOM 1		D	CLOSET DR	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.09	3.48	AM
950 Jessamine Ave	94	11/15/2012 12:52	2	BEDROOM 1		D	Clst Dr Casing	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.68	1	AM
950 Jessamine Ave	95	11/15/2012 12:52	2	BEDROOM 1		D	CLOSET SHELF	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.67	1	AM
950 Jessamine Ave	96	11/15/2012 12:52	2	BEDROOM 1		D	CLOSET WALL	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	5.51	1.25	AM
950 Jessamine Ave	97	11/15/2012 12:53	2	BEDROOM 1			FLOOR	WOOD	POOR	WHITE	Null	< LOD	< LOD	< LOD	0.43	1	AM
950 Jessamine Ave	98	11/15/2012 12:53	2	BEDROOM 1			FLOOR	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.38	1.62	AM
950 Jessamine Ave	99	11/15/2012 12:53	2	BEDROOM 1		A	WALL	WOOD	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	5.5	1	AM
950 Jessamine Ave	100	11/15/2012 12:54	2	BEDROOM 1		B	WALL	WOOD	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	5.53	2.14	AM
950 Jessamine Ave	101	11/15/2012 12:54	2	BEDROOM 1		C	WALL	WOOD	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	5.55	1	AM
950 Jessamine Ave	102	11/15/2012 12:54	2	BEDROOM 1		D	WALL	WOOD	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	5.55	1	AM
950 Jessamine Ave	103	11/15/2012 13:02	2	BEDROOM 1			CEILING	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	3.82	1	AM
950 Jessamine Ave	104	11/15/2012 13:03	2	BEDROOM 2			CEILING	DRYWALL	INTACT	WHITE	Null	< LOD	< LOD	< LOD	2.97	1	AM
950 Jessamine Ave	105	11/15/2012 13:03	2	BEDROOM 2			CEILING	DRYWALL	INTACT	WHITE	Null	< LOD	< LOD	< LOD	0.42	1	AM
950 Jessamine Ave	106	11/15/2012 13:03	2	BEDROOM 2			CEILING	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	7.64	1	AM
950 Jessamine Ave	107	11/15/2012 13:03	2	BEDROOM 2		D	DOOR	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.68	1	AM
950 Jessamine Ave	108	11/15/2012 13:04	2	BEDROOM 2		D	DOOR CASING	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.67	1	AM
950 Jessamine Ave	109	11/15/2012 13:04	2	BEDROOM 2		D	BASEBOARD	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	7.63	1	AM
950 Jessamine Ave	110	11/15/2012 13:05	2	BEDROOM 2			FLOOR	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.67	1	AM
950 Jessamine Ave	111	11/15/2012 13:05	2	BEDROOM 2		B	VENT	METAL	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	4.67	3.07	AM
950 Jessamine Ave	112	11/15/2012 13:06	2	BEDROOM 2		A	WINDOW	VINYL	INTACT	YELLOW	Neg	< LOD	< LOD	< LOD	7.22	1	AM
950 Jessamine Ave	113	11/15/2012 13:06	2	BEDROOM 2		A	CLOSET DR	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.1	1	AM
950 Jessamine Ave	114	11/15/2012 13:07	2	BEDROOM 2		A	Clst Dr Casing	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.68	2.73	AM
950 Jessamine Ave	115	11/15/2012 13:07	2	BEDROOM 2		A	CLOSET WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.92	1	AM
950 Jessamine Ave	116	11/15/2012 13:08	2	BEDROOM 2		A	WALL	DRYWALL	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	5.09	1.11	AM

All Phase Companies
950 Jessamine Ave
St. Paul MN

Site	XRF #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	Pbl	PbK	Duration	Depth	Insp
950 Jessamine Ave	117	11/15/2012 13:08	2	BEDROOM 2		B	WALL	DRYWALL	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	3.82	1	AM
950 Jessamine Ave	118	11/15/2012 13:08	2	BEDROOM 2		C	WALL	DRYWALL	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	5.49	1.95	AM
950 Jessamine Ave	119	11/15/2012 13:09	2	BEDROOM 2		D	WALL	DRYWALL	POOR	YELLOW	Neg	< LOD	< LOD	< LOD	5.09	1	AM
950 Jessamine Ave	120	11/15/2012 13:10	2	BEDROOM 3		D	DOOR casing	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.52	1	AM
950 Jessamine Ave	121	11/15/2012 13:10	2	BEDROOM 3		B	vent	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.71	1	AM
950 Jessamine Ave	122	11/15/2012 13:11	2	BEDROOM 3		A	CLOSET dr jamb	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.67	1.71	AM
950 Jessamine Ave	123	11/15/2012 13:11	2	BEDROOM 3		A	CLOSET wall	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.09	1	AM
950 Jessamine Ave	124	11/15/2012 13:12	2	BEDROOM 3		A	WALL	DRYWALL	POOR	GREEN	Neg	< LOD	< LOD	< LOD	5.51	1	AM
950 Jessamine Ave	125	11/15/2012 13:12	2	BEDROOM 3		B	WALL	DRYWALL	POOR	GREEN	Neg	< LOD	< LOD	< LOD	5.51	1	AM
950 Jessamine Ave	126	11/15/2012 13:12	2	BEDROOM 3		C	WALL	DRYWALL	POOR	GREEN	Neg	< LOD	< LOD	< LOD	3.4	1	AM
950 Jessamine Ave	127	11/15/2012 13:13	2	BEDROOM 3		D	WALL	DRYWALL	POOR	GREEN	Neg	< LOD	< LOD	< LOD	4.26	1	AM
950 Jessamine Ave	128	11/15/2012 13:13	2	BEDROOM 3			CEILING	DRYWALL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.97	1	AM
950 Jessamine Ave	129	11/15/2012 13:14	3	STAIR		D	RISER	WOOD	POOR	grey	Neg	< LOD	< LOD	< LOD	4.7	1.31	AM
950 Jessamine Ave	130	11/15/2012 13:15	3	STAIR		D	TREAD	WOOD	POOR	grey	Neg	< LOD	< LOD	< LOD	4.25	3.13	AM
950 Jessamine Ave	131	11/15/2012 13:15	3	STAIR		D	BASEBOARD	WOOD	POOR	grey	Neg	0.3	0.3	< LOD	4.69	1.13	AM
950 Jessamine Ave	132	11/15/2012 13:15	3	STAIR		D	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.09	1	AM
950 Jessamine Ave	133	11/15/2012 13:18		outside		A	DOOR	METAL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.68	1	AM
950 Jessamine Ave	134	11/15/2012 13:18		outside		A	DOOR jamb	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.11	1	AM
950 Jessamine Ave	135	11/15/2012 13:19		outside		A	COLUMN	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	5.11	1	AM
950 Jessamine Ave	136	11/15/2012 13:20		outside		A	Sup. Upper Trim	WOOD	POOR	WHITE	POS	27.5	4.7	27.5	7.21	6.79	AM
950 Jessamine Ave	137	11/15/2012 13:20		Outside porch			CEILING	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.64	1	AM
950 Jessamine Ave	138	11/15/2012 13:21		outside		A	SOFFIT	WOOD	POOR	WHITE	Null	< LOD	< LOD	< LOD	1.7	10	AM
950 Jessamine Ave	139	11/15/2012 13:21		outside		A	SOFFIT	WOOD	POOR	WHITE	POS	3.1	< LOD	3.1	2.97	10	AM
950 Jessamine Ave	140	11/15/2012 13:21		outside		A	FACIA	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	3.82	3.47	AM
950 Jessamine Ave	141	11/15/2012 13:22		outside		A	RAIL	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.68	1	AM
950 Jessamine Ave	142	11/15/2012 13:23		outside		A	CORNER TRIM	WOOD	POOR	GREY	POS	30	10.1	30	4.27	1.72	AM
950 Jessamine Ave	143	11/15/2012 13:23		outside		A	SIDING	WOOD	POOR	GREY	POS	20	10.1	20	4.28	1.67	AM
950 Jessamine Ave	144	11/15/2012 13:24		outside		A	SIDING	STUCCO	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	8.5	4.4	AM
950 Jessamine Ave	145	11/15/2012 13:24		outside		B	SIDING	STUCCO	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	7.65	4.08	AM
950 Jessamine Ave	146	11/15/2012 13:25		outside		C	SIDING	STUCCO	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	7.22	3.45	AM
950 Jessamine Ave	147	11/15/2012 13:25		outside		D	SIDING	STUCCO	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	7.21	5.44	AM
950 Jessamine Ave	148	11/15/2012 13:26		outside		D	FOUNDATION	CONCRETE	POOR	BROWN	Null	< LOD	< LOD	< LOD	1.27	1.33	AM
950 Jessamine Ave	149	11/15/2012 13:26		outside		D	FOUNDATION	CONCRETE	POOR	BROWN	Neg	< LOD	< LOD	< LOD	6.81	1	AM
950 Jessamine Ave	150	11/15/2012 13:27		outside		C	DOOR	METAL	POOR	BEIGE	Neg	< LOD	< LOD	< LOD	5.13	1	AM
950 Jessamine Ave	151	11/15/2012 13:27		outside		C	DOOR JAMB	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.69	1	AM
950 Jessamine Ave	152	11/15/2012 13:27		outside		C	DOOR JAMB	WOOD	POOR	BROWN	Neg	< LOD	< LOD	< LOD	4.69	1	AM
950 Jessamine Ave	153	11/15/2012 13:28		outside		C	DOOR JAMB	WOOD	POOR	BROWN	Neg	< LOD	< LOD	< LOD	4.71	2.11	AM
950 Jessamine Ave	154	11/15/2012 13:28		outside		C	DOOR CASING	WOOD	POOR	BROWN	Neg	< LOD	< LOD	< LOD	5.1	4.3	AM
950 Jessamine Ave	155	11/15/2012 13:28		outside		C	DOOR CASING	WOOD	POOR	BROWN	Neg	< LOD	< LOD	< LOD	4.65	2.95	AM
950 Jessamine Ave	156	11/15/2012 13:29		outside			FLOOR	WOOD	POOR	GREY	Neg	0.12	0.12	< LOD	4.67	1.19	AM

All Phase Companies
950 Jessamine Ave
St. Paul MN

Site	XRF #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp.
950 Jessamine Ave	157	11/15/2012 13:29		outside		C	WALL	STUCCO	POOR	WHITE	Neg	0.05	0.05	< LOD	9.33	2.65	AM
950 Jessamine Ave	158	11/15/2012 13:30		outside		C	THRESHOLD	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	4.24	1	AM
950 Jessamine Ave	159	11/15/2012 13:31		outside		C	FACIA	WOOD	POOR	BROWN	POS	32.9	10.1	32.9	4.27	1.64	AM
950 Jessamine Ave	160	11/15/2012 13:31		outside		C	SOFFIT	WOOD	POOR	BROWN	POS	33.1	10.1	33.1	3.83	1.7	AM
950 Jessamine Ave	161	11/15/2012 13:32		outside		C	TRIM	WOOD	POOR	BROWN	POS	26.8	10.1	26.8	4.24	1.62	AM
950 Jessamine Ave	162	11/15/2012 13:33		outside		D	WINDOW casing	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	6.76	1	AM
950 Jessamine Ave	163	11/15/2012 13:34		outside		D	drip board	WOOD	POOR	grey	POS	25.2	10.1	25.2	4.28	1.7	AM
950 Jessamine Ave	164	11/15/2012 13:35					calibrate				Neg	0.9	0.9	< LOD	9.35	1.02	AM
950 Jessamine Ave	165	11/15/2012 13:35					calibrate				POS	1	1	< LOD	23.38	1.06	AM
950 Jessamine Ave	166	11/15/2012 13:36					calibrate				Null	1	1	< LOD	11.94	1.1	AM

Description of Column Titles

Site: The sequential number of the site (homes or buildings) inspected on a particular day.

No: The sequential XRF sample number for a given site.

XL No/Map: The sample number recorded on the maps of a particular site.

Date: Date that the XRF sample was analyzed.

Time: Time of XRF sample analysis.

Floor: The sample location floor level (0 = basement, 1 = first floor, 2 = second floor).

Room: The specific location where the sample was analyzed on the site. Calibrate is also recorded in this column when appropriate.

Side: Side of the room based on sampling methodology as described earlier in this report. The only four sides that can be designated are **A, B, C,** and **D.**

Structure: This refers to the general building component that the test was performed on. It may also include modifications such as: upper, lower, exterior, interior, right, and left.

Feature: Specifies additional information about a structure.

Condition: Describes whether the surface being tested is **Intact:** good condition; **Fair:** less than 2 square feet of damage to large interior surface, i.e., wall, less than 10 square feet of damage to large exterior surface, i.e., outside walls, or less than 10% damage to small surface areas, i.e., baseboards, trim, etc.; **Poor:** more than 2 square feet of damage on large interior surfaces, more than 10 square feet of damage to large exterior surface areas, or more than 10% damage to small surface areas.

Substrate: Refers to the material that the structure was made of, i.e., wood, concrete, drywall, etc.

Color: Color of surface tested.

Result: The lead concentration in mg/cm^2 as determined with L-shell and K-shell X-ray data.

PbL(mg/cm^2): The lead concentration as determined with L-shell X-ray data.

RES: Results: POS - above action level, NEG - below action level.

PbK: The lead concentration in mg/cm^2 on the K-shell X-ray data spectrum.

PbC: The combined lead concentration in mg/cm^2 of the L-shell and K-shell X-ray data spectrum.

Depth: This is the index that is a qualitative indication of the depth of the lead in paint. As the number approaches 1, the lead is concentrated close to the top layers of paint. The largest number available for depth index is 10. The greater the number, the more likely interfering elements may have been detected.

Duration: The length of the XRF sample analysis in seconds.

Inspector: When multiple inspectors are used, this number indicates who sampled at the time indicated.

Note: This refers to any notes that were collected during the analysis of the particular sample. Then can be found on the field data sheet titled "Lead-Based Paint Inspection Data Page."

SAMPLING METHODOLOGY

Buildings were systematically inspected for lead-based paints. The **A** side of the building is the side facing the street. Starting from the **A** side, the other sides are lettered consecutively (**B, C, D**), going clockwise around the building.

Inside the unit, each floor was assigned a number starting with **0** for the basement, **1** for the first floor, and **2** for the second floor.

Some rooms that are unique in the building are named on the inspection report. These would include things like pantry, kitchen, halls, bathrooms, and staircases. If there is more than one of a certain type of named room, then they are numbered (e.g., staircases to basements are numbered staircase 1, while staircases to the second floor are labeled staircase 2). Room numbering starts in the **A-D** corner of the building and continues clockwise from that point.

Within each room of the building, each of the sides of the room are named. The naming of walls in a room, for instance, follows the same pattern as that used on the exterior of the building, namely, the street side of each room is labeled **A,** and then clockwise from that wall, walls are labeled **B, C, D**.

APPENDIX C

LABORATORY RESULTS
CHAIN-OF-CUSTODY

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone/Fax: (763) 449-4922 / (763) 449-4924
http://www.emsl.com minneapolislab@emsl.com

EMSL Order:	351207358
CustomerID:	MIDW56
CustomerPO:	
ProjectID:	

Attn: **Greg Myers**
Midwest Environmental Consulting, L.L.C.
125 Railroad Ave SW

Mora, MN 55051

Phone:	(763) 691-0111
Fax:	(763) 691-0145
Received:	11/14/12 2:15 PM
Collected:	11/14/2012

Project: **950 Jessamine Ave. St. Paul 502/1112**

Test Report: Lead in Dust by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	Analyzed	Area Sampled	RDL	Lead Concentration	Notes
0001	11/14/2012	144 in²	10 µg/ft²	39 µg/ft²	Site: Front Entry Side-A Flr
Client Sample W1					*Collected:* 11/14/2012
0002	11/14/2012	36 in²	40 µg/ft²	77 µg/ft²	Site: Front Entry Side-A Window Stool
Client Sample W2					*Collected:* 11/14/2012
0003	11/14/2012	36 in²	40 µg/ft²	1200 µg/ft²	Site: Kitchen Side-D Window Stool
Client Sample W3					*Collected:* 11/14/2012
0004	11/14/2012	144 in²	10 µg/ft²	46 µg/ft²	Site: Kitchen Side-C Back Entry Flr
Client Sample W4					*Collected:* 11/14/2012
0005	11/14/2012	144 in²	10 µg/ft²	360 µg/ft²	Site: Basement Middle Flr
Client Sample W5					*Collected:* 11/14/2012
0006	11/14/2012	144 in²	10 µg/ft²	39 µg/ft²	Site: BedRm-2 Side-A Flr
Client Sample W6					*Collected:* 11/14/2012
0007	11/14/2012	36 in²	40 µg/ft²	140 µg/ft²	Site: BedRm-2 Side-A Stool
Client Sample W7					*Collected:* 11/14/2012
0008	11/14/2012	144 in²	10 µg/ft²	<10 µg/ft²	Site: Hall Middle Flr
Client Sample W8					*Collected:* 11/14/2012

Rachel Travis, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. * slight modifications to methods applied. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request.

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn AIHA-LAP, LLC--ELLAP Accredited #163162

Initial report from 11/15/2012 15:31:00

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone/Fax: (763) 449-4922 / (763) 449-4924
http://www.emsl.com minneapolislab@emsl.com

EMSL Order:	351207358
CustomerID:	MIDW56
CustomerPO:	
ProjectID:	

Attn: **Greg Myers**
Midwest Environmental Consulting, L.L.C.
125 Railroad Ave SW

Mora, MN 55051

Project: **950 Jessamine Ave. St. Paul 502/1112**

Phone:	(763) 691-0111
Fax:	(763) 691-0145
Received:	11/14/12 2:15 PM
Collected:	11/14/2012

Test Report: Lead in Soils by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	*Analyzed*	*RDL*	*Lead Concentration*	*Notes*	
0009	11/15/2012	40 mg/Kg	180 mg/Kg	Site: Bare Soil Foundation	
Client Sample S1				*Collected:*	11/14/2012

Rachel Travis, Laboratory Manager
or other approved signatory

Reporting limit is 40 mg/kg based on the minimum sample weight per our SOP. The QC data associated with these sample results included in this report meet the method QC requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. Results reported based on dry weight. *slight modification to methods applied. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request.

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn AIHA-LAP, LLC–ELLAP Accredited #163162

Initial report from 11/15/2012 15:31:00

351207358

7358

Midwest Environmental Consulting, L.L.C.
125 Railroad Avenue SW • Mora, MN 55051
763-691-0111 / 320-679-4054
Fax: 763-691-0145 / 320-679-4442
Client Address:
Contact:

CHAIN OF CUSTODY

Project Number: 502/1112
Client: HI Phase
Project: 950 Josephine Ave St Paul
Phone/Fax:

Sample ID	Sample Description	Collection Date/Time	Matrix (Vol./Area)	Analysis Requested
502/1112-W1	Front Entry Side-A Flr	11-14-12	12" X 12"	Pb/ug/Ft²
W2	" " " window Stool		2" X 18"	
W3	Kitchen side-D "		"	
W4	" side-C Back entry Flr		12" X 12"	
W5	Basement middle Flr		"	
W6	Bedrm-2 Side-A Flr		"	
W7	" " Stool		2" X 18"	
W8	Hall middle Flr		12" X 12"	
S1	Bare Soil foundation		Bare soil	PB ppm

Sampled by: [signature] Date: 11-14-12 Time:
Received by: Date: Time:
Received by Lab: CRothke Date: 11/14/12 Time: 2:15 pm WI
Notes: 24 hour Analysis contains field blank

Delivered by: [signature] Date: Time:
Delivered by: Date: Time:
Disposition of Samples:
only Astm wipes used